

RAW SEQUENCE LISTING

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Application Serial Number: 10/559,835A
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RAW SEQUENCE LISTING

DATE: 05/15/2006

PATENT APPLICATION: US/10/559,835A

TIME: 15:50:18

Input Set : A:\MATSUDA revised Sequence Listing filed 2006-05-12.txt

Output Set: N:\CRF4\05152006\J559835A.raw

3 <110> APPLICANT: Matsuda, Takehisa
 4 Tanaka, Masao
 5 Manabe, Tatsuya
 6 Nakamura, Toshikazu
 7 Matsumoto, Kunio
 9 <120> TITLE OF INVENTION: Cell-Containing Preparations
 11 <130> FILE REFERENCE: 2005_1807A
 13 <140> CURRENT APPLICATION NUMBER: 10/559,835A
 C--> 14 <141> CURRENT FILING DATE: 2005-12-06
 16 <150> PRIOR APPLICATION NUMBER: JP 2004/000630
 17 <151> PRIOR FILING DATE: 2004-01-23
 19 <160> NUMBER OF SEQ ID NOS: 6
 21 <170> SOFTWARE: PatentIn version 3.3
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 1341
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
 28 <400> SEQUENCE: 1
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 31 aaaatagatc cagcactgaa gataaaaaacc aaaaaagtga atactgcaga ccaatgtgct 120
 33 aatagatgta ctaggataa aggacttcca ttcaacttgca aggcctttgt ttttgataaa 180
 35 gcaagaaaac aatgcctctg gttcccttc aatagcatgt caagtggagt gaaaaaagaa 240
 37 tttggccatg aatttgacct ctatgaaaac aaagactaca ttagaaactg catcattggt 300
 39 aaaggacgca gctacaaggg aacagtatct atcataaga gtggcatcaa atgtcagccc 360
 41 tggagttcca tgaatacaca cgaacacagc tttttgcctt cgagctatcg gggtaaagac 420
 43 ctacaggaaa actactgtcg aaatcctcga ggggaagaag ggggaccctg gtgtttcaca 480
 45 agcaatccag aggtacgcta cgaagtctgt gacattcctc agtggtcaga agttgaatgc 540
 47 atgacctgca atggggagag ttatcgaggt ctcatggatc atacagaatc aggcaagatt 600
 49 tgtcagcgct gggatcatca gacaccacac cggcacaaat tcttgctga aagatatccc 660
 51 gacaagggct ttgatgataa ttattgccgc aatcccgatg gccagccgag gccatggtgc 720
 53 tatactcttg accctcacac ccgctgggag tactgtgcaa ttaaaacatg cgctgacaat 780
 55 actatgaatg aactgatgt tcctttggaa acaactgaat gcatccaagg tcaaggagaa 840
 57 ggctacaggg gcaactgtcaa taccatttgg aatggaattc catgtcagcg ttgggattct 900
 59 cagtatcctc acgagcatga catgactcct gaaaatttca agtgcaagga cctacgagaa 960
 61 aattactgcc gaaatccaga tgggtctgaa tcaccctggg gttttaccac tgatccaaac 1020
 63 atccgagttg gctactgtct ccaaattcca aactgtgata tgtcacatgg acaagattgt 1080
 65 tatcgtggga atggcaaaaa ttatatgggc aacttatccc aaacaagatc tggactaaca 1140
 67 tgttcaatgt gggacaagaa catggaagac ttacatcgtc atatcttctg ggaaccagat 1200
 69 cgaagtaagc tgaatgagaa ttactgccga aatccagatg atgatgctca tggaccctgg 1260
 71 tgctacacgg gaaatccact cttccttggg gattattgcc ctatttctcg ttgtgaaggt 1320
 73 gataccacac ctacaatagt c
 76 <210> SEQ ID NO: 2
 77 <211> LENGTH: 1326

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79 <213> ORGANISM: Homo sapiens
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84 aaaatagatc cagcactgaa gataaaaacc aaaaaagtga atactgcaga ccaatgtgct      120
86 aatagatgta ctaggaataa aggacttcca ttcaacttgc aggcttttgt ttttgataaa      180
88 gcaagaaaac aatgcctctg gttccccttc aatagcatgt caagtggagt gaaaaaagaa      240
90 tttggccatg aatttgacct ctatgaaaac aaagactaca ttagaaactg catcattggt      300
92 aaaggacgca gctacaaggg aacagtatct atcactaaga gtggcatcaa atgtcagccc      360
94 tggagttcca tgataccaca cgaacacagc tatcggggta aagacctaca ggaaaactac      420
96 tgtcgaaatc ctcgagggga agaaggggga cctggtgtt tcacaagcaa tccagaggta      480
98 cgctacgaag tctgtgacat tctcagtggt tcagaagttg aatgcatgac ctgcaatggg      540
100 gagagttatc gaggtctcat ggatcataca gaatcaggca agatttgtca gcgctgggat      600
102 catcagacac cacaccggca caaattcttg cctgaaagat atcccgacaa gggctttgat      660
104 gataattatt gccgcaatcc cgatggccag ccgaggccat ggtgctatac tcttgaccct      720
106 cacaccgct gggagtactg tgcaattaaa acatgcgctg acaatactat gaatgacact      780
108 gatgttcctt tggaaacaac tgaatgcac caaggtcaag gagaaggcta caggggcact      840
110 gtcaatacca tttggaatgg aattccatgt cagcgttggg attctcagta tcctcacgag      900
112 catgacatga ctctgaaaaa tttcaagtgc aaggacctac gagaaaatta ctgccgaaat      960
114 ccagatgggt ctgaatcacc ctggtgtttt accactgac caaacatccg agttggctac     1020
116 tgctcccaaa ttccaaactg tgatatgtca catggacaag attgttatcg tgggaatggc     1080
118 aaaaattata tgggcaactt atcccaaca agatctggac taacatgttc aatgtgggac     1140
120 aagaacatgg aagacttaca tcgtcatatc ttctgggaac cagatgcaag taagctgaat     1200
122 gagaattact gccgaaatcc agatgatgat gctcatggac cctggtgcta cacgggaaat     1260
124 ccactcattc cttgggatta ttgccctatt tctcgttggt aaggtgatac cacacctaca     1320
126 atagtc                                           1326
129 <210> SEQ ID NO: 3
130 <211> LENGTH: 447
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 3
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137 1          5          10          15
140 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys
141          20          25          30
144 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly
145          35          40          45
148 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln
149          50          55          60
152 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu
153 65          70          75          80
156 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn
157          85          90          95
160 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr
161          100         105         110
164 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu
165          115         120         125
168 His Ser Phe Leu Pro Ser Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn
169          130         135         140

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172 Tyr Cys Arg Asn Pro Arg Gly Glu Glu Gly Gly Pro Trp Cys Phe Thr
173 145          150          155          160
176 Ser Asn Pro Glu Val Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser
177          165          170          175
180 Glu Val Glu Cys Met Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met
181          180          185          190
184 Asp His Thr Glu Ser Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr
185          195          200          205
188 Pro His Arg His Lys Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe
189          210          215          220
192 Asp Asp Asn Tyr Cys Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys
193 225          230          235          240
196 Tyr Thr Leu Asp Pro His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr
197          245          250          255
200 Cys Ala Asp Asn Thr Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr
201          260          265          270
204 Glu Cys Ile Gln Gly Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr
205          275          280          285
208 Ile Trp Asn Gly Ile Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His
209          290          295          300
212 Glu His Asp Met Thr Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu
213 305          310          315          320
216 Asn Tyr Cys Arg Asn Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr
217          325          330          335
220 Thr Asp Pro Asn Ile Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys
221          340          345          350
224 Asp Met Ser His Gly Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr
225          355          360          365
228 Met Gly Asn Leu Ser Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp
229          370          375          380
232 Asp Lys Asn Met Glu Asp Leu His Arg His Ile Phe Trp Glu Pro Asp
233 385          390          395          400
236 Ala Ser Lys Leu Asn Glu Asn Tyr Cys Arg Asn Pro Asp Asp Asp Ala
237          405          410          415
240 His Gly Pro Trp Cys Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr
241          420          425          430
244 Cys Pro Ile Ser Arg Cys Glu Gly Asp Thr Thr Pro Thr Ile Val
245          435          440          445
248 <210> SEQ ID NO: 4
249 <211> LENGTH: 442
250 <212> TYPE: PRT
251 <213> ORGANISM: Homo sapiens
253 <400> SEQUENCE: 4
255 Gln Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys
256 1          5          10          15
259 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys
260          20          25          30
263 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly
264          35          40          45

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267 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln
268      50                      55                      60
271 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu
272 65                      70                      75                      80
275 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn
276                      85                      90                      95
279 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr
280                      100                      105                      110
283 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu
284                      115                      120                      125
287 His Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn Tyr Cys Arg Asn Pro
288      130                      135                      140
291 Arg Gly Glu Glu Gly Gly Pro Trp Cys Phe Thr Ser Asn Pro Glu Val
292 145                      150                      155                      160
295 Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser Glu Val Glu Cys Met
296                      165                      170                      175
299 Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met Asp His Thr Glu Ser
300                      180                      185                      190
303 Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr Pro His Arg His Lys
304                      195                      200                      205
307 Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe Asp Asp Asn Tyr Cys
308      210                      215                      220
311 Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys Tyr Thr Leu Asp Pro
312 225                      230                      235                      240
315 His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr Cys Ala Asp Asn Thr
316                      245                      250                      255
319 Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr Glu Cys Ile Gln Gly
320                      260                      265                      270
323 Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr Ile Trp Asn Gly Ile
324                      275                      280                      285
327 Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His Glu His Asp Met Thr
328      290                      295                      300
331 Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu Asn Tyr Cys Arg Asn
332 305                      310                      315                      320
335 Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr Thr Asp Pro Asn Ile
336                      325                      330                      335
339 Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys Asp Met Ser His Gly
340                      340                      345                      350
343 Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr Met Gly Asn Leu Ser
344                      355                      360                      365
347 Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp Asp Lys Asn Met Glu
348      370                      375                      380
351 Asp Leu His Arg His Ile Phe Trp Glu Pro Asp Ala Ser Lys Leu Asn
352 385                      390                      395                      400
355 Glu Asn Tyr Cys Arg Asn Pro Asp Asp Ala His Gly Pro Trp Cys
356                      405                      410                      415
359 Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr Cys Pro Ile Ser Arg
360                      420                      425                      430
363 Cys Glu Gly Asp Thr Thr Pro Thr Ile Val

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364	435	440
367	<210> SEQ ID NO: 5	
368	<211> LENGTH: 20	
369	<212> TYPE: DNA	
370	<213> ORGANISM: Artificial	
372	<220> FEATURE:	
373	<223> OTHER INFORMATION: Synthetic Construct	
375	<400> SEQUENCE: 5	
376	agtaggggtgg atggttagtt	20
379	<210> SEQ ID NO: 6	
380	<211> LENGTH: 20	
381	<212> TYPE: DNA	
382	<213> ORGANISM: Artificial	
384	<220> FEATURE:	
385	<223> OTHER INFORMATION: Synthetic Construct	
387	<400> SEQUENCE: 6	
388	tacaacttgt atgtcaaaat	20

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/15/2006
PATENT APPLICATION: US/10/559,835A TIME: 15:50:19

Input Set : A:\MATSUDA revised Sequence Listing filed 2006-05-12.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6

VERIFICATION SUMMARY

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Input Set : A:\MATSUDA revised Sequence Listing filed 2006-05-12.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date